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IAP12 Rec'd PCT/PTO 05 MAY 2006

EXPRESS MAIL MAILING LABEL: EQ 030271069 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Francis Phillip Chatfield

Serial No.: n/a

Filed: Contemporaneous Herewith

International Application No.: PCT/GB2004/004725

International Application Filing Date: November 9, 2004

Entitled: Vacuum Pump

Atty. Dkt.: M03B167

Group Art Unit: n/a

Examiner: n/a

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

The Examiner's attention is directed to the documents identified on the attached Forms PTO/SB/08A and PTO/SB/08B "Information Disclosure Statement By Applicant." A copy of each non-US patent document is enclosed.

Please consider all the listed documents and list them on the cover sheet of any patents to issue from the subject application.

The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of the application or within three months of the date of entry of the National Phase of an international application or before the mailing of a first Office Action on the merits.

In accordance with 37 CFR 1.97(b), no additional fee is due. As a precaution, the Commissioner is hereby authorized to charge to Deposit Account No. 02-2865 any fee required by this submission.

Very truly yours,



Date: May 4, 2006  
The BOC Group, Inc.  
Legal Services - Intellectual Property  
575 Mountain Avenue  
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(908) 771-6469

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Attorney for Applicant(s)  
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Attachments

Forms PTO/SB/08A & PTO/SB/08B

Cited References

ILZ:bjl

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PTO/SB/08A (07-05)

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Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	
		Filing Date	
		First Named Inventor	FRANCIS PHILLIP CHATFIELD
		Art Unit	
		Examiner Name	
		Attorney Docket Number	M03B167
Sheet	1	of	12

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	2	DE 102 07 929 A1	09-04-2003	Leybold Vakuum Gmbh		
	3	EP 0 874 158 A1	10-28-1998	The BOC Group plc		
	4	JP 5-296171	11-09-1993	Ulvac Japan Ltd		
	5	JP 62-186073	08-14-1987	Ulvac Corp		

Examiner Signature		Date Considered	
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**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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*Complete if Known*

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number				
		Filing Date				
		First Named Inventor				FRANCIS PHILLIP CHATFIELD
		Art Unit				
		Examiner Name				
Sheet	2	of	2	Attorney Docket Number	M03B167	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	6	KAZAMAKI TADAO; Patent Abstracts of Japan; abstract of JP 05296171; entitled Shaft Seal Mechanism for Positive Displacement Vacuum Pump without Using	
		Sealing Fluid; publication date November 9, 1993; Ulvac Japan Ltd.	
	7	KAZAMAKI TADAO, KOZUKA ICHIRO, NEZUKA YUKIO; Patent Abstracts of Japan; abstract of JP 62186073 A; entitled Sealing Device for	
		Rotary Vacuum Pump; publication date August 14, 1987; Ulvac Corp.	
	8	United Kingdom Search Report of Application No. GB 0326613.7; Date of search: March 29, 2004	
	9	PCT International Search Report of International Application No. PCT/GB2004/004725; Date of mailing of the International Search Report: February 10, 2005	
	10	PCT Written Opinion of the International Searching Authority of International Application No. PCT/GB2004/004725; Date of mailing: February 10, 2005	

Examiner Signature		Date Considered	
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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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